NY1-352-(G-S)-2-11-54 USS SEMINOLE AKA-104
AFT QUARTER-PORT - S.F.N.S. - 11 FEBRUARY 1954
AFTER REGULAR OVERHAUL.
SAN FRANCISCO NAVAL SHIPYARD

| MARK | PANEL NO | ALTERATIONS | DATE | O.K. | AUTH'D | APP'D | DATE |
|---|---|---|---|---|---|---|---|
|  | A | PLAN MADE APPLICABLE FOR ADDITIONAL CONTRACT BY ALTERING AKA, M.C., & N.C. HULL NUMBERS. | R.C.P. 12/6/44 |  |  |  |  |

NOTES

NO. 1. THIS DRAWING ~~REPLACES N. N. DRAWING~~ IS NEW ~~M. C. NO.~~ FOR HULLS LISTED BELOW.

| M.C. HULL | N.C. HULL | AKA HULL | CONVERSION YARD | M.C. HULL | N.C. HULL | AKA HULL | CONVERSION YARD |
|---|---|---|---|---|---|---|---|
| 1405 | 150 |  |  | 1404 | 149 |  |  |
| 1403 | 148 |  | " | 1402 | 147 |  |  |
| 1401 | 146 |  | " | 1400 | 145 |  |  |
| 1399 | 144 |  | " | 1398 | 143 |  |  |
| 1397 | 142 |  | " | 1396 | 141 |  |  |
| 1395 | 140 |  | " | 1394 | 139 |  |  |
| 1393 | 138 |  | " | 1392 | 137 |  |  |
| 1391 | 136 |  | " | 1390 | 135 |  |  |
| 1389 | 134 |  | " | 1388 | 133 |  |  |
| 1387 | 132 |  | " | 1386 | 131 |  |  |
| 1385 | 130 |  | " | 1384 | 129 |  |  |
| 1383 | 128 |  | " | 1382 | 127 |  |  |

DESIGN No. C2-S-AJ 3
CONVERSION OF C2-S-AJ 1
UNITED STATES MARITIME COMMISSION
M.C. HULL Nos. 1382 TO 1405 1696-1703 ℄ M.C. DWG. NO

NAVY DEPARTMENT
A. K. A. HULL Nos. 64-87 ℄ 101-108

DESIGNED BY
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT

SCALE 1/8 IN = 1 FT. DATE SCHED. DATE COMP 3-15-44
DRAWN H. HUNTLEY EXAMINED R. W. Davis J. M. Bandy
CHECKED 3/15/44 APPROVED
CHARGEMAN J. E. DATE

N. N. JOB ORDER 644-V
N. N. DRAWING No. 179470

NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON N. C.
BUILDERS
N. C. HULL Nos. 127 TO 150 187-194 ℄ N. C. DWG. No. 179470
CONVERSION YARD

DWG. TITLE

# INBOARD PROFILE AND DOUBLE BOTTOM

①

S.S. "Beatrice"
Baltimore Rpt.
8451

APPROVED AS NOTED IN
M. C. LET
M. C. FILE
A.B.S. LET.
BY
BY
U. S. COAST GUARD
Noted

REGISTER OF SHIPPING
17 BATTERY PLACE
NEW YORK
N. Y.
LLOYD'S

PLAN
EXAMINED AND FOUND CORRECT
SUPERVISOR OF SHIPBUILDING
DATE

APPROVED
DATE 3-24-44
E L Gayhart
FOR SUPERVISOR OF SHIPBUILDING

BUREAU OF SHIPS PLAN NUMBER (BASIC)
A.K.A. 64-S0103-507443 ALT. 0

ORDER DEPARTMENT
YARD PRINTS & ORDERS
BILLS & ORDERS
PRINTS
REMARKS
DATE
SIGNED

|  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|
| 2-29-44<br>HG<br>JEL<br>WMP<br>OAM<br>JGW<br>EG<br>EDP<br>EDM<br>3-16-44<br>up. JEL<br>3/18/44<br>HPD | 3-25-44<br>HG<br>HT<br>JEL<br>WMP<br>OAM<br>IGW<br>EE<br>EDP<br>EDM<br>CB. JEL<br>NS<br>4MCL | 4/11/44<br>HE<br>3AH<br>AHP<br>ML<br>FN<br>TS<br>WE<br>SC<br>RH<br>SI<br>PB<br>SE<br>ABS<br>PT<br>BOS<br>2EL<br>PD | 3AHP<br>5/4/44<br>MAIL<br>5/10<br>5/25/44<br>3 Mail<br>6/7 | 6/14/44<br>2PT<br>6/19<br>2 Mail<br>TS<br>7/20<br>TS<br>8/4<br>mail | 10/13<br>NAVY |  |  |  |  |

GROUP:

007977-007980-0154

| MARK | PANEL NO. | ALTERATIONS | DATE | O.K. | AUTH'D | APP'D | DATE |
|---|---|---|---|---|---|---|---|
| A | | PLAN MODIFIED IN GENERAL | | | | | |
| B | GENERAL | PLAN ALTERED IN GENERAL: N.C. PLAN NOS AND MATERIAL GROUP NOS ADDED TO SUIT YARD PRACTICE | F.H.R. 2/24/44 | | 2/25/4 | | |
| C | 14 | DETAILS 14A & 14B ADDED TO SUIT REF 20. REF 20 ADDED | C.E.M. 3-16-44 | | | | |
| D | | FRAMING BRACKETS DELETED IN WAY OF MISC. BULKHEADS ON 2ND DECK - TO SUIT REF 21 & 22 : REF 21 & 22 ADDED. | CEM 3.21.44 | | | | |
| E | 2'<br>3' | DETAIL 2R ADDED FOR FRS. 15 & 17 TO SUIT REF NO. 23 : REF NO. 23 ADDED. | CEM 3.25.44 | | 3/30/44 | | |
| F | 12' | DET. "12-O" FRAMING BRKT. FOR FR. 101 PORT ONLY ADDED TO SUIT INSTALLATION OF MAIN OVERBOARD DISCHARGE. | 4/10/44 RER | | 4-13-4 | | |
| G | 6' | CHANNEL FR. 117 ALTERED TO TOE AFT FROM SHELTER DECK TO CABIN DECK TO SUIT REFERENCE NO. 24 & No. 10 | F.H.R. 4-20-44 | | 4-24-4 | | |
| H | 1 5' 6' 9' 10' | FR. 96 MADE 12" X 3½" X 30.9# ⊏ BET. 2ND. DK. & MACHRY. FLAT. CONN. OF TRANS. BEAM UNDER MACHRY. FLAT AT FR. 106 PORT ONLY NOTED TO SEE REF. # 14 DET. 9-B & 10-D ALT. TO SUIT BEAM SIZES UNDER MACHRY. FLAT ALL TO SUIT REF. # 14. IN ACCORD WITH N.N. ALT. 1 | 4/25/44 R.E.W. | | 4/26/4 | | |
| | 2 2' 3' 7' | DET. 2B, 3-B & 7-B REVISED TO SUIT REF. # 5. IN ACCORD WITH N.N. ALT. 2 | | | | | |
| | 3 4' 6' | NOTES ADDED AT BRKTS. IN WAY OF I.B. AT FRS. 45 & 138. ALL TO SUIT REF. # 20 IN ACCORD WITH N.N. ALT. 3 | | | | | |
| J | 8' | AT FR. 60 STBD ONLY - 18" X 24" FLG. BRKT. ALT. TO 2'-0" X 2'-6". ALTERNATE DET. 8-B ADDED - TO SUIT ENGR'S. | G.F.G. 6-27-44 | | 6/27/4 | | |
| K | 4' | SHELL FRAME SHOWN CUT. FRS. 38, 39. & 40. TO 3RD DECK, TO FACILITATE ERECTION & LAYOUT | F.H.R. 7-5-44 | | 7/6/4 | | |
| L | | PLAN MADE APPLICABLE TO ADDITIONAL CONTRACT BY ALTERING AKA, M.C. & N.C. HULL NOS | J.M.K. 8-2-4 | | 10-13-4 | | |
| M | 7' | BHD AT FR. 162 ADDED FROM I.B. TO FLAT FOR HULLS 149, 150 & 187-194. TO SUIT REF. 25. REF. 25 ADDED. | 10/11/4 RER | | 10-13-4 | | |

NOTES:

1. THIS DRAWING REPLACES N N DRAWING 178006 M.C. No. 1348 S11-3-5ER FOR HULLS LISTED BELOW ALL MATERIAL WAS ORDERED ON THE ORIGINAL PLAN EXCEPT AS MODIFIED BY ALTERATION "A".

REFERENCES

| NO. | TITLE | C2-S-AJ1 N.N. NO | C2-S-AJ1 N.C. NO | C2-S-AJ3 N.N. NO | C2-S-AJ3 N.C. NO |
|---|---|---|---|---|---|
| 1 | HOLD STRINGERS | ~~178007~~ | S11-4-2 | 179553 | 179553 |
| 2 | TRANS. W.T. BHD. 11 & CHAIN LOCKER | ~~178011~~ | S11-5-8 | 179557 | 179557 |
| 3 | 2ND. DK. PLTG, BEAMS, & GIRDERS | ~~178026~~ | S11-6-4 | 179570 | 179570 |
| 4 | SHAFT ALLEY BHDS | ~~178023~~ | S11-5-12 | 179404 | 179404 |
| 5 | SHELTER, FOCLE, & POOP DK. PLTG. | ~~178035~~ | S11-6-7 | 179574 | 179574 |
| 6 | BOW FRAMING FORD FR 11. | ~~178009~~ | S11-3-4 | 179555 | 179555 |
| 7 | TRANS. BHD. 170 & SHAFT ALLEY ESC. TRK | ~~178020~~ | S11-5-13 | 179565 | 179565 |
| 8 | STERN FRAMING | ~~178008~~ | S11-3-6 | 179554 | 179554 |
| 9 | 3RD DK PLTG. BEAMS & GDRS. | ~~178016~~ | S11-6-6 | 179480 | 179480 |
| 10 | SHELTER DK. HOUSE & CABIN DK. PLTG. | ~~178039~~ | S11-9-3 | 179575 | 179575 |
| 11 | MAIN INJECTION SEACHESTS | ~~174444~~ | | | |
| 12 | AUX. SEA CHESTS | ~~174445~~ | | | |
| 13 | MISC BHDS BEL 3RD DK. | | | 179427 | 179427 |
| 14 | MACHY. FLAT & FDNS. 17'-3" ABV. ℄ FR 94-107 | ~~178081~~ | S11-13-4 | 179585 | 179585 |
| 15 | MISC. BHDS. BET. 2ND & 3RD DKS. | | | 179449 | 179449 |
| 16 | PROTECTION FOR DEGAUSSING CABLES | ~~179183~~ | | 179704 | 179704 |
| 17 | W.T. FLATS FR 14-20-15'-0" ABV ℄ & 42-66-12'-0" ABV ℄ | | | 179423 | 179423 |
| 18 | W.T. & O.T. FLAT. FR 129-170-15'-0" ABV. ℄ | | | 179426 | 179426 |
| 19 | TRS. W.T. BHD. # 53½ ABV. 3RD DK. | | | 179396 | 179396 |
| 20 | SEA CHESTS IN DIESEL FIRE PUMPROOMS | | | 179433 | 179433 |
| 21 | MISC. BULKHEADS ON 2ND DK. FWD. FR 80 | | | 179429 | 179429 |
| 22 | MISC. BULKHEADS ON 2ND DK AFT FR 80 | | | 179425 | 179425 |
| 23 | 40 M/M GUN FOUNDS. & AMM TRUNKS FORD. | | | 179598 | 179598 |
| 24 | MISCL. VENTILATION SHT. NO. 1 | | | 179662 | 179662 |
| 25 | FOG OIL TANK FRS. 160-162 | | | | HPO 128 |

| M C HULL | N C HULL | A K A HULL | CONVERSION YARD | M C HULL | N C HULL | A K A HULL | CONVERSION YARD |
|---|---|---|---|---|---|---|---|
| 1405 | 150 | | | 1404 | 149 | | |
| 1403 | 148 | | | 1402 | 147 | | |
| 1401 | 146 | | | 1400 | 145 | | |
| 1399 | 144 | | | 1398 | 143 | | |
| 1397 | 142 | | | 1396 | 141 | | |
| 1395 | 140 | | | 1394 | 139 | | |
| 1393 | 138 | | | 1392 | 137 | | |
| 1391 | 136 | | | 1390 | 135 | | |
| 1389 | 134 | | | 1388 | 133 | | |
| 1387 | 132 | | | 1386 | 131 | | |
| 1385 | 130 | | | 1384 | 129 | | |
| 1383 | 128 | | | 1382 | 127 | | |

DESIGN No. C2-S-AJ3
CONVERSION OF C2-S-AJ1
UNITED STATES MARITIME COMMISSION
M. C. HULL Nos. 1382 TO 1405 1836 TO 1703 M. C. DWG No.

NAVY DEPARTMENT
A. K. A. HULL Nos. 64 - 87 & 101-108

DESIGNED BY
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT

SCALE ½" = 1 FT. DATE SCHED. DATE COMP. 2-10-44
DRAWN Philip H. Clark EXAMINED
CHECKED C. W. HACKER APPROVED J. P. Comstock
CHARGEMAN DATE Feb. 11 1944
N. N. JOB ORDER 644-V N. N. DRAWING No. - 179552

NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N. C.
BUILDERS
N. C. HULL Nos. 127 TO 150 187-194 N. C. DWG No. 179552
CONVERSION YARD

DWG. TITLE

# FRAMING DIAGRAM & DETAILS

APPROVED AS NOTED IN
M. C. LET.
M. C. FILE
BY
BY
A. B. S. LET.
U. S. COAST GUARD
APPROVED
PLAN
EXAMINED AND FOUND CORRECT
DATE 2-11-44
SUPERVISOR OF SHIPBUILDING
E. L. Gayhart
FOR SUPERVISOR OF SHIPBUILDING
DATE

BUREAU OF SHIPS PLAN NUMBER (BASIC)
AKA 64 - S 1103-507017

(9)

S.S. "Beatrice"
Baltimore Rpt.
8451

| GROUP NUMBER | DESCRIPTION | FRAMES |
|---|---|---|
| S11-20-C | FLOORS AT INNER BOTTOM | 50½ TO 62½ |
| S11-21-C | " " " " | 37½ TO 50½ |
| S11-24-C | " " " " | 146½ TO 157½ |
| S11-26-C | " " " " | 11½ TO 24½ |
| S11-49- | WEB FRAMES INNER BOTTOM | 22, 47, & 60 |
| S11-60-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 62½ TO 122½ |
| S11-60-A2 | SHELL FRAMING " " " " | " " " |
| S11-60-B1 | FRAMING BRACKETS 3RD DK. TO 2ND DK. | " " " |
| S11-60-B2 | SHELL FRAMING " " " " | " " " |
| S11-60-C1 | FRAMING BRACKETS 2ND DK. TO SHLTR. DK. | " " " |
| S11-60-C2 | SHELL FRAMING " " " " | " " " |
| S11-60-D2 | " " SHELTER DK. TO CABIN DK. | 83½ TO 125 |
| S11-61-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 24½ " 62½ |
| S11-61-A2 | SHELL FRAMING " " " | " " " |
| S11-61-B1 | FRAMING BRACKETS 3RD DK. TO 2ND DK. | " " " |
| S11-61-B2 | SHELL FRAMING " " " | " " " |
| S11-62-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 11½ TO 24½ |
| S11-62-B1 | " " 3RD DK TO 2ND DK. | " " " |
| S11-62-B2 | SHELL FRAMING " " " " | " " " |
| S11-63-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 122½ TO 140½ |
| S11-63-A2 | SHELL FRAMING " " " | " " " |
| S11-63-B1 | FRAMING BRACKETS 3RD DK. TO 2ND DK. | " " " |
| S11-63-B2 | SHELL FRAMING " " " | " " " |
| S11-64-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 140½ " 157½ |
| S11-64-A2 | SHELL FRAMING " " " " | " " " |
| S11-64-B1 | FRAMING BRACKETS 3RD DK TO 2ND DK. | " " " |
| S11-64-B2 | SHELL FRAMING " " " " | " " " |
| S11-65-A1 | FRAMING BRACKETS I.B. TO 3RD DK. | 157½ TO 169½ |
| S11-65-A2 | SHELL FRAMING " " " " | " " " |
| S11-65-B1 | FRAMING BRACKETS 3RD DK TO 2ND DK. | " " " |
| S11-65-B2 | SHELL FRAMING " " " " | " " " |
| S11-77-A | FRAMING BRACKETS 2ND DK. TO SHLTR. DK. | 122½ TO 146½ |
| S11-77-B | SHELL FRAMING " " " " | " " " |
| S11-78-A | FRAMING BRACKETS " " " " | 146½ TO 169½ |
| S11-78-B | SHELL FRAMING " " " " | " " " |
| S11-79-A | FRAMING BRACKETS " " " " | 37½ TO 62½ |
| S11-79-B | SHELL FRAMING " " " " | " " " |
| S11-80-A | FRAMING BRACKETS " " " " | 11½ TO 37½ |
| S11-80-B | SHELL FRAMING " " " " | " " " |
| S11-81-A | WEB FRAMES I.B. TO W.T. FLAT | 148, 154 |
| S11-81-B | " " W.T. FLAT TO 3RD DK. | " " |
| S11-96 | CHAIN LOCKER | 11, 12, 13 & 14 |
| S11-243 | MSCL. BHD.S. BELOW 3RD DK. | |
| S11-247 | WEB FRAMES 3RD DK. TO 2ND DK. | 148, 154 & 160 |

(31)

ORDER DEPARTMENT
YARD PRINTS & ORDERS BILLS & ORDERS
PRINTS
REMARKS
DATE SIGNED

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2.2.44<br>CB.J.66<br>4<br>HE<br>AHP<br>TS<br>ML<br>2/25/4<br>HE<br>2AH<br>AHP<br>4ML<br>4FN<br>TS<br>WE<br>4FS<br>PD | ABS<br>30S<br>RH<br>EH<br>35W<br>3/15/4<br>2EH<br>3/20/4<br>6 Martin<br>4ML<br>4FN<br>4FS<br>TS<br>WE | PD<br>ABS<br>30S<br>RH<br>EH<br>4SW<br>HE<br>3AH<br>AHP<br>4/5/44<br>7 Martin<br>4/13/44<br>HE<br>3AH<br>4HP | 4ML<br>4FN<br>4FS<br>TS<br>WE<br>PD<br>ABS<br>30S<br>RH<br>EH<br>35W | 4/29/4<br>4ML<br>4FN<br>4FS<br>TS<br>WE<br>PD<br>ABS<br>30S<br>RH<br>EH<br>4SW<br>HE<br>3AH<br>AHP | 6/29<br>HE<br>2AH<br>AHP<br>4ML<br>4FN<br>4FS<br>TS<br>WE<br>PD<br>ABS<br>30S<br>RH<br>EH<br>4SW | 7/6/4<br>HE<br>2AH<br>AHP<br>4ML<br>4FN<br>4FS<br>TS<br>WE<br>PD<br>ABS<br>30S<br>RH<br>EH<br>4SW<br>MAIL<br>NY | 7/4<br>4FN<br>10/1/4<br>HE<br>2AH<br>AHP<br>4ML<br>4FN<br>4FS<br>TS<br>WE<br>PD<br>ABS<br>30S<br>RH<br>EH<br>4SW<br>NN<br>NY |

GROUP:

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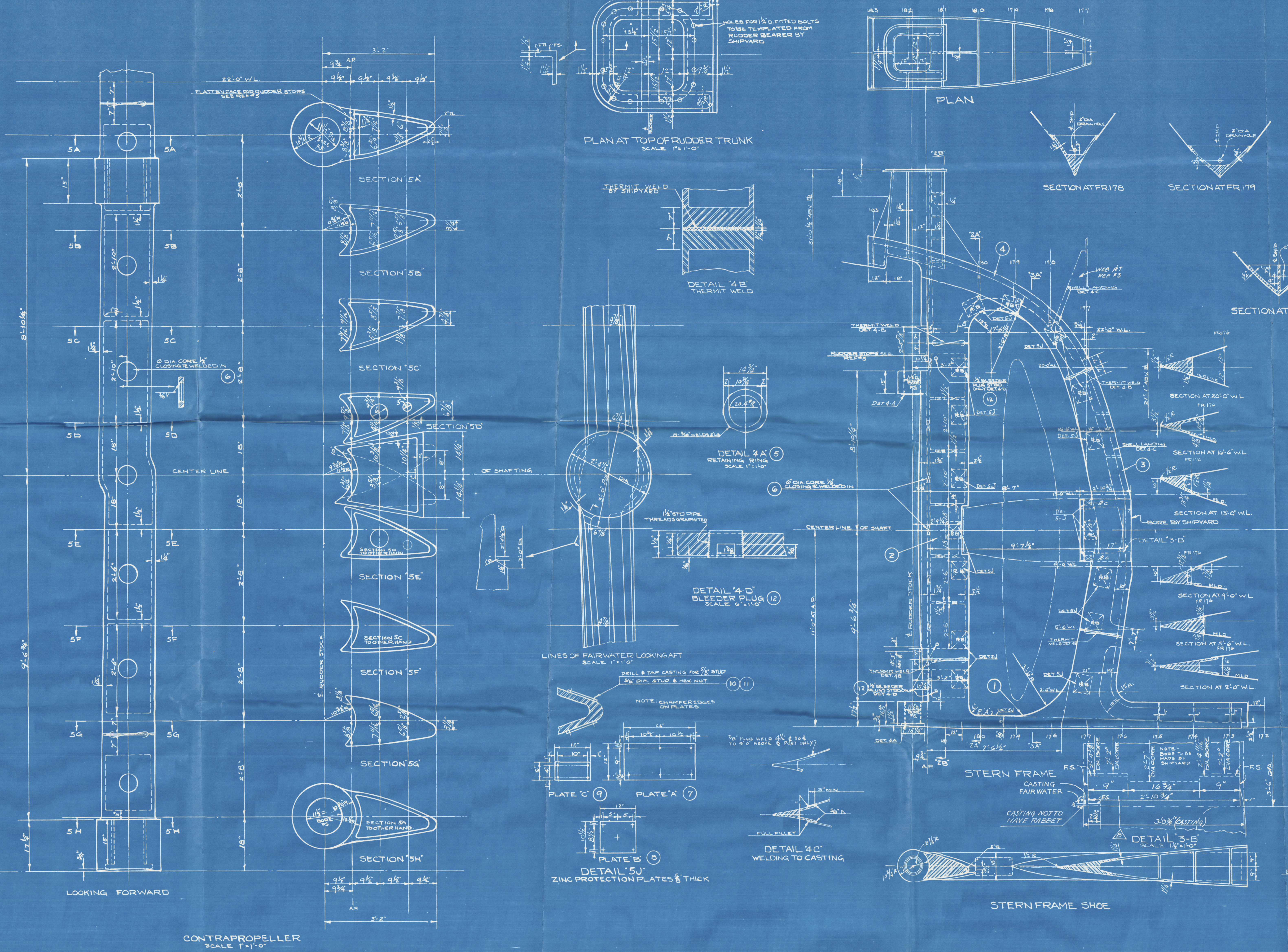
00 7977 - 007980 - 0152



| MARK | PANEL NO. | ALTERATIONS | DATE | O.K. | AUTH.D | APPD. | DATE |
|---|---|---|---|---|---|---|---|
| A |  | N.C. PLAN NO'S & MAT. GROUP NO'S. ADDED TO SUIT YARD PRACTICE | 2/23/44 A.J.M. | 2/25/44 RHm | 3/1/44 ALG |  |  |
| B | 3' | ADDITIONAL MATERIAL ADDED TO PROPELLOR POST TO ALLOW TOLERANCE FOR MACHINING. | 2/29/44 A.J.M. | 2/29/44 RHm | 3/1/44 ALG |  |  |
| C |  | PLAN MADE APPLICABLE FOR ADDITIONAL CONTRACT BY ALTERING AKA, M.C., & N.C. HULL NUMBERS. | R.C.P. 12/6/44 |  |  |  |  |

NOTES:

A. THIS DRAWING REPLACES N. N. DRAWING 178018 M. C. No 1346-S11-3-1 ER FOR HULLS LISTED BELOW. ALL MATERIAL ORDERED ON ORIGINAL PLAN PREVIOUSLY APPROVED BY M.C. (NO CHANGE).
1. STERN FRAME CASTINGS TO PASS INSPECTION AND BE APPROVED BY "AMERICAN BUREAU OF SHIPPING."
2. MOLD LOFT TO FURNISH ALL NECESSARY TEMPLATES TO PATTERN MAKER.
3. INSIDE OF RUDDER POST TO BE COATED INTERNALLY WITH OXIDIZED ASPHALT OR M.C. RUST PREVENTATIVE XXXIX.
4. ALL MACHINE WORK TO BE DONE BY SHIPYARD.

## BILL OF MATERIAL - ONE SHIP

SEE ORDER SHEET #179113 FOR ITEMS MADE BY N.N. ON JOB ORDER #2218 V

| No ITEMS REQD | ITEM No | NAME | MATERIAL | REMARKS | WT EACH | PURCHASED BY N.N.S.& D.D. CO. | PURCHASED BY N.C.S. CO. | SUPP. BY U.S.M.C. |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | SHOE | CAST STEEL |  | 15500# |  |  |  |
| 1 | 2 | RUDDER POST | CAST STEEL |  | 8870# |  |  |  |
| 1 | 3 | PROPELLER POST | CAST STEEL |  | 8565# |  |  |  |
| 1 | 4 | SHELL CASTING | CAST STEEL |  | 8820# |  |  |  |
| 2 | 5 | RETAINING RING PL | M. STEEL |  |  |  |  |  |
| 7 | 6 | SEAL PLATE | M. STEEL |  |  |  |  |  |
| 1 | 7 | PROTECTION PLATE "A" | ZINC (ROLLED) |  |  |  |  |  |
| 32 | 8 | PROTECTION PLATE "B" | ZINC " |  |  |  |  |  |
| 2 | 9 | PROTECTION PLATE "C" | ZINC " |  |  |  |  |  |
| 174 | 10 | ⅝" STUD 1 5/16" LONG | STEEL |  |  |  |  |  |
| 174 | 11 | ⅝" D. HEX NUT | STEEL |  |  |  |  |  |
| 3 | 12 | BLEEDER PLUG | BRONZE | DET. 4-D |  |  |  |  |

| M.C. HULL | N.C. HULL | A.K.A. HULL | CONVERSION YARD | M.C. HULL | N.C. HULL | A.K.A. HULL | CONVERSION YARD |
|---|---|---|---|---|---|---|---|
| 1405 | 150 |  |  | 1404 | 149 |  |  |
| 1403 | 148 |  |  | 1402 | 147 |  |  |
| 1401 | 146 |  |  | 1400 | 145 |  |  |
| 1399 | 144 |  |  | 1398 | 143 |  |  |
| 1397 | 142 |  |  | 1396 | 141 |  |  |
| 1395 | 140 |  |  | 1394 | 139 |  |  |
| 1393 | 138 |  |  | 1392 | 137 |  |  |
| 1391 | 136 |  |  | 1390 | 135 |  |  |
| 1389 | 134 |  |  | 1388 | 133 |  |  |
| 1387 | 132 |  |  | 1386 | 131 |  |  |
| 1385 | 130 |  |  | 1384 | 129 |  |  |
| 1383 | 128 |  |  | 1382 | 127 |  |  |

| No | REFERENCES | C2-S-AJ1 N.N. No | C2-S-AJ1 N.C. No | C2-S-AJ3 N.N. No | C2-S-AJ3 N.C. No |
|---|---|---|---|---|---|
| 1. | SHELL PLTG. | ~~178034~~ | S11-1-1 | 179573 | 179573 |
| 2. | CENTER VERTICAL KEEL | ~~178000~~ | S11-4-1 | 179539 | 179539 |
| 3. | STERN FRAMING | ~~178008~~ | S11-3-6 | 179554 | 179554 |
| 4. | STEERING GEAR FLAT | ~~178024~~ | S11-6-5 | 179568 | 179568 |
| 5. | RUDDER | ~~178051~~ | S22-0-2 | 179595 | 179595 |
| 6. | RUDDER STOCK, BEARER ETC. | ~~178052~~ | S22-0-1 | 179596 | 179596 |
| 7. | GOLDSCHMIDT-CONTRAGUIDE RUDD. & GUIDE V. | ~~178215~~ |  |  |  |

DESIGN No. C2-S-AJ 3
CONVERSION OF C2-S-AJ 1
UNITED STATES MARITIME COMMISSION
M. C. HULL Nos. 1382 TO 1405 1696-1703 & M. C. DWG. No.
NAVY DEPARTMENT
A. K. A. HULL Nos. 64-87 & 101-108
DESIGNED BY
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT
SCALE ½" & 1" = 1 FT. DATE SCHED. DATE COMP. 2-11-44
DRAWN W.S.H. EXAMINED
CHECKED APPROVED J. P. Comstock.
CHARGEMAN DATE Feb. 12. 1944
N. N. JOB ORDER. 644-V N. N. DRAWING No. 179563
NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N. C.
BUILDERS
N. C. HULL Nos. 127 TO 150 187-194 & N. C. DWG. No. 179563
CONVERSION YARD
DWG. TITLE

## STERN FRAME

APPROVED AS NOTED IN
M. C. LET.
M. C. FILE
BY
BY
A.B.S. LET.
U. S. COAST GUARD

LLOYD'S REGISTER OF SHIPPING
17 BATTERY PLACE
NEW YORK N.Y.
Noted

EXAMINED AND FOUND CORRECT
PLAN
SUPERVISOR OF SHIPBUILDING
DATE
APPROVED
DATE 2-15-44
E L Gayhart
FOR SUPERVISOR OF SHIPBUILDING

BUREAU OF SHIPS PLAN NUMBER (BASIC)
A.K.A.-64-S1103-507033

3

S.S. "Beatrice"
Baltimore Rpt.
8451

Fr. Machine finish rough.
Fs. Machine finish smooth.
B. Buff
Fg. Finish ground.
Ff. Finish file.

1

ORDER DEPARTMENT
YARD PRINTS & ORDERS BILLS & ORDERS
PRINTS
REMARKS
DATE SIGNED

|  |  |  |
|---|---|---|
| 2/21/44<br>HE<br>AHP<br>Mb<br>TS<br>3/1/44<br>4 ML<br>TS<br>RH<br>4 FN<br>4 FS<br>MS<br>3 SW<br>3 OS | WE<br>HE<br>2 AH<br>AHP<br>4/7/44<br>PT<br>5/9<br>3/30<br>6/7/44<br>4 FN<br>7/44<br>4 FN | 8/10<br>SW |

GROUP:

S11-27F STERN FRAME CASTING

T.C. plan

| MARK | PANEL NO. | ALTERATIONS | DATE | O. K. | AUTH'D | APP'D | DATE |
|---|---|---|---|---|---|---|---|
| A |  | N.C. PLAN NO'S. & GROUP NO'S. ADDED TO SUIT YARD PRACTICE. | 2/24/44 A.J.M. | 2/25/44 RHm | 2/25/4 |  |  |
| B |  | PLAN MADE APPLICABLE FOR ADDITIONAL CONTRACT BY ALTERING AKA, M.C. & N.C. HULL NOS. | R.U.B. 8-2-44 |  |  |  |  |

### NOTES:

A. THIS DRAWING REPLACES N. N. DRAWING 178051 M. C. No. 1346-S-22-0-2ER FOR HULLS LISTED BELOW. ALL MAT'L. ORDERED ON ORIGINAL PLAN PREVIOUSLY APPROVED BY M.C. (NO CHANGE).

1. STEEL CASTINGS TO MEET REQUIREMENTS OF AMER. BUREAU OF SHIPPING.
2. RUDDER & FIXED PORTION OF RUDDER FAIRWATER TO BE FILLED WITH ASPHALTUM VARNISH, NAVY FORMULA #47 & DRAINED AFTER 24 HOURS.
3. SPOT FACE CASTINGS IN WAY OF BOLT HEADS & NUTS.
4. RUDDER TO BE WATERTIGHT & TESTED.
5. FOR UNSHIPPING RUDDER, ONE OF THE FOLLOWING METHODS TO BE USED—
   1. BURN OFF FAIRING PLATE AS INDICATED AND REMOVE PINTLES AND LOOSEN COUPLING.
   2. BURN OFF FAIRING PLATE AS INDICATED, JACK UP RUDDER & STOCK IN ONE PIECE UNTIL PINTLES ARE CLEAR OF GUDGEONS THEN LOOSEN COUPLING.
6. PC. #4 COUPLING BOLT, TO BE ORDERED 3¼" DIA. FOR MACHINING BY YARD.

### BILL OF MATERIAL - ONE SHIP

| NO ITEMS REQ'D. | ITEM NO. | NAME | MATERIAL | REMARKS | WT. | PURCHASED BY N.N.S. & D.D. Co | PURCHASED BY N.C.S. Co | SUPP. BY U.S.M.C |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | UPPER RUDDER FRAME | CAST STEEL |  | 5030# |  |  |  |
| 1 | 2 | LOWER RUDDER FRAME | " " |  | 3525# |  |  |  |
| 1 | 3 | STEEL TUBE | STEEL | 18 O.D. x 13/16" THK. |  |  |  |  |
| 6 | 4 | COUPLING BOLT (FITTED) | FG'D. STEEL | 3 3/32" DIA. - 11⅝" LG. |  |  |  |  |
| 6 | 5 | COUPLING NUT | " " | 3" DIA. |  |  |  |  |
| 6 | 6 | COTTER PIN | BRONZE | 5/16" DIA. - 3½" LG. |  |  |  |  |
| 2 | 7 | PINTLE | FG'D. STEEL | DET. "4C" |  |  |  |  |
| 2 | 8 | PINTLE SLEEVE | COMP. "G" | DET. "4C" |  |  |  |  |
| 2 | 9 | PINTLE NUT | FG'D. STEEL | DET. "4-B" |  |  |  |  |
| 2 | 10 | COTTER PIN | BRONZE | 7/16" DIA. - 8" LG. |  |  |  |  |
| 2 | 11 | GUDGEON BUSHING | LAMINATED PHENOLITIC RESIN | DET. "4A" |  |  |  |  |
| 1 | 12 | RUDDER LIFTING STOP | STEEL | DET. "5A" | 121# |  |  |  |
| 5 | 13 | TAP BOLT (FITTED) | BRONZE | 1¼" DIA. - 3½" LG. |  |  |  |  |
| 1 | 14 | RUDDER COUPLING (KEY) | STEEL |  |  |  |  |  |
| 2 | 15 | F.H. CAP SCREW | BRONZE | ¾" DIA. - 2" LG. |  |  |  |  |
| 4 | 16 | PIPE PLUG | BRASS | 1½" DIA. - CSK. HD. |  |  |  |  |
| 1 | 17 | STEEL BAR (UPPER RUDDER) | M. STEEL |  |  |  |  |  |
| 1 | 18 | STEEL BAR (LOWER RUDDER) | " " |  |  |  |  |  |
| ~~16~~ | ~~19~~ | ~~STUDS~~ | ~~STEEL~~ | ~~1" DIA. - 3½" LG.~~ |  |  |  |  |
| AS REQ'D. | 20 | RUDDER FILLING | ASPHALTUM VARNISH NAVY FORMULA #47 | SEE NOTE #2 |  |  |  |  |
| 4 | 21 | F.H. MACH SCREW | BRONZE | ½" DIA. - 1" LG. |  |  |  |  |
| 1 | 22 | STEEL BAR (UPPER RUDDER) | M. STEEL |  |  |  |  |  |
| 1 | 23 | 3" STD. PIPE | STEEL GALV. |  |  |  |  |  |

SEE NOTE #6 (item 4)

NOTE - ITEMS 30 THRU 62 USED BY BILLERS

| HULL | N C HULL | A K A HULL | CONVERSION YARD | M C HULL | N C HULL | A K A HULL | CONVERSION YARD |
|---|---|---|---|---|---|---|---|
| 1405 | 150 |  |  | 1404 | 149 |  |  |
| 1403 | 148 |  |  | 1402 | 147 |  |  |
| 1401 | 146 |  |  | 1400 | 145 |  |  |
| 1399 | 144 |  |  | 1398 | 143 |  |  |
| 1397 | 142 |  |  | 1396 | 141 |  |  |
| 1395 | 140 |  |  | 1394 | 139 |  |  |
| 1393 | 138 |  |  | 1392 | 137 |  |  |
| 1391 | 136 |  |  | 1390 | 135 |  |  |
| 1389 | 134 |  |  | 1388 | 133 |  |  |
| 1387 | 132 |  |  | 1386 | 131 |  |  |
| 1385 | 130 |  |  | 1384 | 129 |  |  |
| 1383 | 128 |  |  | 1382 | 127 |  |  |

| Nº | REFERENCES | C2-S-AJ1 N.N. Nº | C2-S-AJ1 N.C. Nº | C2-S-AJ3 N.N. Nº | C2-S-AJ3 N.C. Nº |
|---|---|---|---|---|---|
| 1. | STERN FRAME | 178018 | S11-3-1 | 179563 | 179563 |
| 2. | RUDDER STOCK, BEARER & STUFFING BOX | 178052 | S22-0-1 | 179596 | 179596 |

DESIGN No. C2-S-AJ 3
CONVERSION OF C2-S-AJ 1
UNITED STATES MARITIME COMMISSION
C. HULL Nos. 1382 (1696) TO 1405 (1703) M. C. DWG. No.

NAVY DEPARTMENT
A. K. A. HULL Nos. 64-87 & 101-108 INCL

DESIGNED BY
NEWPORT NEWS SHIPBUILDING & DRY DOCK COMPANY
NEWPORT NEWS, VIRGINIA
HULL DEPARTMENT

SCALE ¾", 1½" & 3" = 1 FT. DATE SCHED. DATE COMP. 8-14-44
DRAWN W. S. H. EXAMINED RUDavis F.N. Dowdy
CHECKED EXAMINED
CHARGEMAN APPROVED J. P. Comstock
DATE Feb 14 1944

JOB ORDER. 644-V
N. N. DRAWING No. 179595

NORTH CAROLINA SHIPBUILDING COMPANY
WILMINGTON, N. C.
BUILDERS
C. HULL Nos. 127 (187) TO 150 (194) N. C. DWG. No. 179595
CONVERSION YARD

DWG. TITLE
RUDDER

④

Noted

APPROVED AS NOTED IN
M. C. LET. A. B. S. LET.
M. C. FILE
BY
BY
U. S. COAST GUARD
APPROVED
EXAMINED AND FOUND CORRECT PLAN
DATE
SUPERVISOR OF SHIPBUILDING
DATE
FOR SUPERVISOR OF SHIPBUILDING

BUREAU OF SHIPS PLAN NUMBER (BASIC)
A.K.A.-64-S2200-507070

S.S. "Beatrice"
Baltimore Rpt. 8451

Machine finish rough.
Machine finish smooth
Buff.
Finish ground.
Finish file.

ORDER DEPARTMENT
YARD PRINTS & ORDERS
PRINTS
REMARKS
DATE
2/28/44 HE 9-FN ABS
4/26/4 HE 9/7/44 PT
2AH
AHP
SOS
CPS
WE 9/18
4FS 4SW
PD
MS
EN
4ML
TS
RH

GROUP
2216-101 RUDDER
④